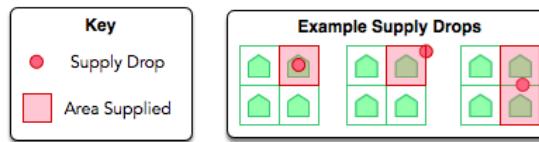


Army Game

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Luke is daydreaming in Math class. He has a sheet of graph paper with n rows and m columns, and he imagines that there is an army base in each cell for a total of $n \cdot m$ bases. He wants to drop supplies at strategic points on the sheet, marking each drop point with a red dot. If a base contains at least one package inside or on top of its border fence, then it's considered to be supplied. For example:



Given n and m , what's the minimum number of packages that Luke must drop to supply all of his bases?

Example

$n = 2$

$m = 3$

Packages can be dropped at the corner between cells (0, 0), (0, 1), (1, 0) and (1, 1) to supply 4 bases. Another package can be dropped at a border between (0, 2) and (1, 2). This supplies all bases using 2 packages.

Function Description

Complete the `gameWithCells` function in the editor below.

`gameWithCells` has the following parameters:

- `int n`: the number of rows in the game
- `int m`: the number of columns in the game

Returns

- `int`: the minimum number of packages required

Input Format

Two space-separated integers describing the respective values of n and m .

Constraints

$0 < n, m \leq 1000$

Sample Input 0

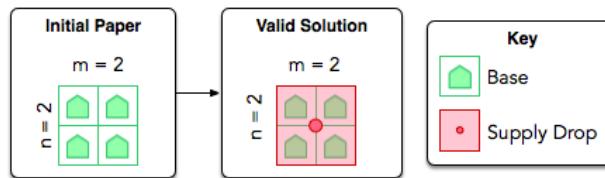
2 2

Sample Output 0

1

Explanation 0

Luke has four bases in a 2×2 grid. If he drops a single package where the walls of all four bases intersect, then those four cells can access the package:



Because he managed to supply all four bases with a single supply drop, we print **1** as our answer.

f t in

Contest ends in **5 days**

Submissions: 17

Max Score: 20

Difficulty: Easy

Rate This Challenge:



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Pypy 3



```

1 #!/bin/python3
2
3 import math
4 import os
5 import random
6 import re
7 import sys
8
9 #
10 # Complete the 'gameWithCells' function below.
11 #
12 # The function is expected to return an INTEGER.
13 # The function accepts following parameters:
14 # 1. INTEGER n
15 # 2. INTEGER m
16 #
17
18 def gameWithCells(n, m):
19     # Write your code here
20     # i think need find a way to break into parts find biggets square in the grid
21     # nxm grid where m < n , we must find out how many dots for mxm then how many for an n-m, m
22     # i think recursive? cuz i need find out how to do a n-m one too
23     # first needed find which is bigger
24
25
26 def square(m):
27     out = m / 2
28     wwwwww
29
30
31 if __name__ == '__main__':
32     fptr = open(os.environ['OUTPUT_PATH'], 'w')
33
34     first_multiple_input = input().rstrip().split()
35
36     n = int(first_multiple_input[0])
37
38     m = int(first_multiple_input[1])
39
40     result = gameWithCells(n, m)
41
42     fptr.write(str(result) + '\n')
43
44     fptr.close()

```

45

Line: 28 Col: 11

 Upload Code as File Test against custom input Run Code Submit Code

Compile time error

Compile Message

```
Sorry: IndentationError: expected an indented block after function definition on line 18 (Solution.py, line 24)
```

Exit Status

```
1
```